REMARKS

Claims 1-39 are pending in the application.

In the aforementioned Office Action, the drawing (FIG. 1) was objected to for use of a reference numeral not found in the specification. In addition, the specification was also objected to for incorrect identification of a reference numeral.

Applicants appreciate the keen observation of the Examiner. By this amendment, the two objections are collectively rectified by the amendment of paragraph [1018] of the specification with the change of "antenna 124" to —antenna 134—. Entry of the amendment in the specification is respectively requested.

Dependent claims 5, 15 and 33 were also objected to as being not properly limiting the subject matter of their respective independent claims.

By this amendment, to expedite prosecution and without acquiescing to the Examiner's position, claims 5, 15, and 33 have been canceled without prejudice. Accordingly, the Examiner's objection is thereby obviated.

Claims 11, 28 and 29 were rejected under 35 U.S.C. § 112, first paragraph. In the rejection, it was pointed out that there is lack of teaching in the specification for claiming the "assignment table index."

Applicants respectfully disagree. In paragraph [1037] of Applicants' specification (with reference to step 314 of FIG. 3), the index is included in the equation, which index is stated as "the assignment table index generated in step 312." In paragraph [1037], among other things, it is described that the VLR 132 encrypts the equation, which includes the assignment table index. With the above-mentioned support in the specification, withdrawal of the Examiner's rejection is believed to be in order and is respectfully requested.

In the above-mentioned Office Action, claims 1, 3, 5-9, 11, 13, 15-19, 21-27, 29, 31, 33-35 and 37-39 were further rejected as unpatentable over U.S. Patent No. 6,044,096 (*Wan*) in view of U.S. Patent No. 5,375,251 (*Pfundstein*).

It here should be noted that, for reasons stated below, the teachings of *Wan* and *Pfundstein* are vastly differently from Applicants' claimed invention, be it taken singly or in combination.

Attorney Docket No.: 000310
Customer No.: 23696   9

Take claim 1 for example. Claim 1 recites a method of generating a temporary identifier, *inter alia*, of "maintaining a counter value" and further "hashing said counter value to obtain an assignment table index."

In *Wan*, nowhere can there be found of hashing any counter value. In fact, the temporary identifier, i.e., the TMSI (Temporary Mobile Station Identifier), is not associated with any counter value at all. In *Wan*, during initial registration of the mobile station, there are two identifiers sent out by the mobile switching center 102, namely, the TMSI and a SPI (Short Page Identifier) (column 13, line 63 to column 14, line 5 of *Wan*). The SPI is said to be generated via a 6-bit counter as alternative way of generating the SPI (column 17, lines 30-37 of *Wan*). The 6-bit counter value is not hashed, much less hashed "to obtain an assignment table index" as claimed by Applicants.

The same holds true with *Pfundstein* with similar deficiencies as in *Wan*. That is, no mention of any counter value can be found in *Pfundstein*, let alone hashing such a counter value. In *Pfundstein*, the index mentioned is the generation parameter index GP-IX 14 used for generating an addition parameter GEN-TAB 30 as one part out of many parts of the TMSI 20 (column 3, line 62 to column 4, line 2 of *Pfundstein*). The generation parameter index GP-IX of *Pfundstein* is not and cannot be "an assignment table index" as claimed by Applicants. The assignment table index as claimed by Applicants is for indexing individual TMSIs, not for generating one part out of many of the TMSI as taught in *Pfundstein*.

If that is not enough, above all, Applicant's independent claim 1, *inter alia*, specifically claims "encrypting said counter value to obtain said temporary identifier." Neither *Wan* nor *Pfundstein* teaches any encryption of any parameter.

In light of the foregoing, independent claim 1 is submitted to be patentable over the prior art, including *Wan* and *Pfundstein*. Independent claims 11, 21, 29 and 37 are also submitted to be patentable for the same reasons that claim 1 is believed to be patentable.

Claims 2, 3, 6-9, 13, 16-19, 22-27, 31, 34, 35 and 38-39 are dependent claims. Each of the dependent claims includes one or more limitations on the top of its respective independent claims 1, 11, 21, 29, 31 and 37 are therefore submitted to be, *a fortiori*, patentable over the prior art.

Attorney Docket No.: 000310
Customer No.: 23696   10

In the aforementioned Office Action, claims 2, 12 and 30 were rejected under 35 U.S.C. § 103(a) as unpatentable over *Wan* 35 U.S.C. § 103(a) in view of U.S. Patent No. 5,123,111 (Delory). In addition, claims 4, 14 and 32 were rejected under 35 U.S.C. § 103(a) as unpatentable over *Wan* and further in view of publication "Handbook of Applied Cryptography" (*Menezes*). Furthermore, claims 10, 20 and 36 were rejected under 35 U.S.C. § 103(a) as unpatentable over *Wan* 35 U.S.C. § 103(a) in view of publication "Data Structures and Other Objects Using C++" (*Main et al.*)

The rejected claims 2, 4, 10, 12, 14, 20, 30, 32 and 36 are all dependent claims, depending respectively on each of its respective independent claims 1, 11, 21, 29, 31 and 37. Independent claims 1, 11, 21, 29, 31 and 37 are submitted to be patentable over *Wan* in view of *Pfundstein* as set forth above. Combining features from other references does not negate patentability of these claims. Accordingly, Applicants respectfully request that the rejection be withdrawn.

The cited but non-relied upon references have been studied but found to be less relevant than the relied upon references.

In light of the above amendment and remarks, and with the amendment in the specification, all claims remaining in the application, i.e., claims 1-4, 6-14, and 16-39 are submitted to be patentable over the prior art. Applicants believe the application is in condition for allowance. Reconsideration and an early allowance are respectfully requested.

In the event of any fees that may be due or any overpayments that may be associated with this response, please charge or deposit the amount to Deposit Account No. 17-0026.

Respectfully submitted,

Dated: **February 10, 2006**
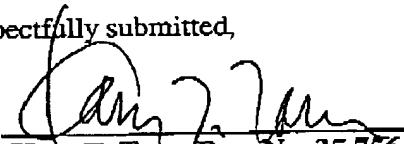
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Attorney Docket No.: 000310
Customer No.: 23696   11